

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Florida Storm Panels, Inc. 14475 NW 26th Avenue Opa-Locka, Florida 33054

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "HPMA / Performance System 2" Aluminum Accordion Shutter

APPROVAL DOCUMENT: Drawing No. AD10-28, titled "System 2 Aluminum Accordion Shutter", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated May 13, 2010, last revision #2 dated March 16, 2012, signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #10-0930.12 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4, E-5, & E-6 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY
APPROVED

Hely A. Nolon 04/19/2012

NOA No. 12-0326.11 Expiration Date: 04/23/2016 Approval Date: 04/19/2012

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0328.02

A. DRAWINGS

1. Drawing No. 01-069, titled "HPMA / Performance System 1 Accordion Shutter", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated March 26, 2001, signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. See Association's generic approval number 01-0026.

C. CALCULATIONS

1. See Association's generic approval number 01-0026.

D. MATERIAL CERTIFICATIONS

1. See Association's generic approval number 01-0026.

E. STATEMENTS

- 1. Release letter issued by the Hurricane Protection Manufacturers Association, dated March 22, 2001, certifying this product to meet the criteria of product tested and approved, and allowing Florida Storm Panels & Accordions, Inc. to use the test results approved under Dade County Approval No. 01-0026, signed by Mr. Jeffry T. Robinson.
- 2. Acknowledgment letter by Florida Storm Panels & Accordions, Inc. dated March 22, 2001, signed by Mr. Victor V. Cruz.
- 3. Letter by Tilteco, Inc., dated March 27, 2001, certifying that the drawing (No. 01-069) prepared for Florida Storm Panels & Accordions, Inc., signed and sealed by Walter A. Tillit Jr., P.E., is engineering wise identical to Hurricane Protection Manufacturers Association, Inc. generic drawing (No. 00-120).
- 4. Acceptance Letter issued to Mr. Victor V. Cruz on April 16, 2001, and returned signed by Mr. Victor V. Cruz on April 16, 2001, indicating to please issue the proposed Notice of Acceptance as submitted and reviewed.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-1203.01

A. DRAWINGS

1. Drawing No. 02-481, titled "Performance System 1 Accordion Shutter", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated October 14, 2002, last revision #1 dated October 14, 2002 signed and sealed Walter A. Tillit, Jr., P.E.

Felmy A. Makar, P.E., M.S.

PERA, Product Control Unit Supervisor

NOA No. 12-0326.11 Expiration Date: 04/23/2016 Approval Date: 04/19/2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. MATERIAL CERTIFICATIONS

1. None.

E. STATEMENTS

1. Letter issued by Mr. Walter A. Tillit, Jr., P.E., dated December 04, 2002, stating that the only change from the previous approved drawings is general note numbers 1 and 11.

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0105.03

A. DRAWINGS

1. Drawing No. 05-344, titled "Performance System 1 Accordion Shutter", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated November 11, 2005, last revision #1 dated November 11, 2005, signed and sealed by Walter A, Tillit Jr., P.E.

B. TESTS

1. See Association's generic approval under 05-0323.

C. CALCULATIONS

1. See Association's generic approval under 05-0323.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. See Association's generic approval under 05-0323.

F. STATEMENTS

- 1. Letter by Tilteco Inc., dated November 14, 2005, signed and sealed by Mr. Walter A. Tillit, Jr., P.E., certifying that the drawing (No. 05-344) prepared for Florida Storm Panels & Accordions, Inc. is engineering wise identical to HPMA's generic drawing (No. 05-118).
- 2. Acknowledgment letter by Florida Storm Panels & Accordions, Inc. dated December 14, 2005, signed and sealed by the Corporate Seal.

Helmy A. Makar, P.E., M.S.

PERA, Product Control Unit Supervisor NOA No. 12-0326.11

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0328.04

A. DRAWINGS

1. Drawing No. 07-052, titled "Performance System 2 Accordion Shutter", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated March 19, 2007, signed and sealed by Walter A. Tillit Jr., P.E., on March 21, 2007.

B. TESTS

1. See Association's generic approval under 07-2513.

C. CALCULATIONS

1. See Association's generic approval under 07-2513.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. See Association's generic approval under 07-2513.

F. STATEMENTS

- 1. Release letter issued by the Hurricane Protection Manufacturers Association, dated March 06, 2007, certifying this product to meet the criteria of product tested and approved, and allowing Florida Storm Panels & Accordions, Inc. to use the test results approved under Miami Dade County Approval No. 07-2513, signed by Mr. Henry Revilla.
- 2. Acknowledgment letter by Florida Storm Panels & Accordions, Inc. dated March 06, 2007, signed by Mr. Henry Revilla.
- 3. Letter by Tilteco Inc., dated March 21, 2007, signed and sealed by Mr. Walter A. Tillit, Jr., P.E., certifying that the drawing (No. 07-052) prepared for Florida Storm Panels & Accordions, Inc. is engineering wise identical to HPMA's generic drawing (No. 06-219).
- 4. Acceptance Letter issued to Mr. Henry Revilla on May 19, 2007 and returned signed by Mr. Henry Revilla on May 21, 2007, indicating to please issue the proposed Notice of Acceptance as submitted and reviewed.

Helmy A. Makar, P.E., M.S.

PERA, Product Control Unit Supervisor

NOA No. 12-0326.11 Expiration Date: 04/23/2016 Approval Date: 04/19/2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #09-1028.08

A. DRAWINGS

1. Drawing No. 09-042, titled "Performance System 2 Accordion Shutter", sheets 1 through 10 of 10, prepared by Tilteco, Inc., last revision #1 dated March 19, 2009, signed and sealed by Walter A. Tillit Jr., P.E., on September 23, 2009.

B. TESTS

1. See Association's generic approval under 09-0645.

C. CALCULATIONS

1. See Association's generic approval under 09-0645.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. See Association's generic approval under 09-0645.

F. STATEMENTS

- 1. Release letter issued by the Hurricane Protection Manufacturers Association, dated September 23, 2009, certifying this product to meet the criteria of product tested and approved, and allowing Florida Storm Panels & Accordions, Inc. to use the test results approved under Miami Dade County Approval No. 09-0645, signed by Mr. Henry Revilla.
- 2. Acknowledgment letter by Florida Storm Panels & Accordions, Inc. dated September 23, 2009, signed by Mr. Henry Revilla.
- 3. Letter by Tilteco Inc., dated September 23, 2009, signed and sealed by Mr. Walter A. Tillit, Jr., P.E., certifying that the drawing (No. 09-042) prepared for Florida Storm Panels & Accordions, Inc. is engineering wise identical to HPMA's generic drawing (No. 09-035).

Helmy A. Makar, P.E., M.S.

PERA, Product Control Unit Supervisor NOA No. 12-0326.11

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 10-0930.12

A. DRAWINGS

1. Drawing No. AD10-28, titled "System 2 Aluminum Accordion Shutter", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated May 13, 2010, last revision #1 dated September 05, 2010, signed and sealed by Yiping Wang, P.E.

B. TESTS

1. See Association's generic approval under 10-0710.

C. CALCULATIONS

1. See Association's generic approval under 10-0710.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building and Neighborhood Compliance Department.

E. MATERIAL CERTIFICATIONS

1. See Association's generic approval under 10-0710.

F. STATEMENTS

- 1. Release letter issued by the Hurricane Protection Manufacturers Association, dated September 30, 2010, certifying this product to meet the criteria of product tested and approved, and allowing Florida Storm Panels, Inc. to use the test results approved under Miami Dade County Approval No. 10-0710, signed by Mr. Henry Revilla.
- 2. Acknowledgment letter by Florida Storm Panels, Inc. dated February 10, 2011, signed by Mr. Henry Revilla.
- 3. Letter by MCY Engineering, Inc., dated February 02, 2011, signed and sealed by Yipping Wang, P.E., certifying that the drawing (No. AD10-28) prepared for Florida Storm Panels, Inc. is engineering wise identical to HPMA's generic drawing (No. AD10-12).
- 4. Acceptance Letter issued to Mr. Henry Revilla on February 16, 2011 and returned signed by Mr. Henry Revilla on February 17, 2011, indicating to please issue the proposed Notice of Acceptance as submitted and reviewed.

Helmy A. Makar, P.E., M.S.

PERA, Product Control Unit Supervisor NOA No. 12-0326.11

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

7. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. AD10-28, titled "System 2 Aluminum Accordion Shutter", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated May 13, 2010, last revision #2 dated March 16, 2012, signed and sealed by Yiping Wang, P.E.

B. TESTS

1. See Association's generic approval under 12-0736.

C. CALCULATIONS

1. See Association's generic approval under 12-0736.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department OF Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. See Association's generic approval under 12-0736.

F. STATEMENTS

- 1. Release letter issued by the Hurricane Protection Manufacturers Association, dated March 19, 2012, certifying this product to meet the criteria of product tested and approved, and allowing Florida Storm Panels, Inc. to use the test results approved under Miami Dade County Approval No. 12-0736, signed by Mr. Henry Revilla.
- 2. Acknowledgment letter by Florida Storm Panels, Inc. dated March 19, 2012, signed by Mr. Henry Revilla.
- 3. Letter by MCY Engineering, Inc., dated March 19, 2012, signed and sealed by Yipping Wang, P.E., certifying that the drawing (No. AD10-28) prepared for Florida Storm Panels, Inc. is engineering wise identical to HPMA's generic drawing (No. AD10-12).

Heimy A. Makar, P.E., M.S.

PERA, Product Control Unit Supervisor NOA No. 12-0326.11

GENERAL NOTES:

- 1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2. STAINLESS STEEL SHEET METAL SCREWS USED AT LOUVER PIN SHALL BE # 14 x 3", 410-HT MINIMUM SERIES W/ 135.0 ksi YIELD STRENGTH & 180 ksi TENSILE STRENGTH. SCREWS SHALL BE COATED WITH XYLAN 5000 SERIES FLUOROPOLYMER COATINGS AS MANUFACTURED BY WHITFORD Co, BOX 507. WEST CHESTER PA. 19381.
- 3. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6 ALLOY WITH MINIMUM YIELD STRENGTH OF Fy=31.0 ksi.
- 4. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 5. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- 6. WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, G = 0.55 AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- 7. ALL ALUMINUM POP RIVETS TO BE 5052 ALUMINUM ALLOY WITH ALUMINUM MANDREL.
- 8. BOLTS TO BE GALVANIZED OR STAINLESS STEEL WITH 36 ksi MINIMUM YIELD STRENGTH.
- 9. SHUTTER'S COMPONENTS ARE PATENT PENDING.
- 9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS SHUTTER SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.
- 11. A PERMANENT SHUTTER MANUFACTURER'S LABEL SHALL BE PLACED ON THE EXPOSED SURFACE OF THE FEMALE CENTERMATE BLADE (COMPONENT H). ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:

FLORIDA STORM PANELS, INC. OPA LOCKA, FLORIDA MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

- 12. (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS PRODUCT APPROVAL PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
 - (c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. ENGINEER OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) THIS P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

TYPICAL ANCHORS: (SEE CHARTS FOR ANCHOR SPACING)

TYPE A. 1/4" DIA. ITW TAPCON BY ITW BUILDEX

Fu = 120 KSI, Fy = 92 KSI INTO CONCRETE fc'=3000 PSI 1-3/4" MIN. EMBED

2-1/2" MIN. EDGE DISTANCE

TYPE A1. INTO CONCRETE BLOCK

1-1/4" MIN. EMBED

2-1/2" MIN. EDGE DISTANCE

TYPE B. 1/4"-20 CALK-IN BY 'POWERS' FASTENERS

INTO CONCRETE fc'=3000 PSI 7/8" MIN. EMBED

3" MIN. EDGE DISTANCE

TYPE B1. INTO CONCRETE BLOCK

7/8" MIN. EMBED

3" MIN. EDGE DISTANCE

TYPE C. 1/4" CRETE-FLEX SS4 MASONRY ANCHOR BY

"ELCO" CONSTRUCTION PRODUCTS

Fu = 120 KSI, Fy = 92 KS! INTO CONCRETE fc'=3000 PSI

1 3/4" MIN. EMBED

2 1/2" MIN. EDGE DISTANCE

TYPE C1. INTO CONCRETE BLOCK

1 1/4" MIN. EMBED

2 1/2" MIN. EDGE DISTANCE

NOTES:

WHEN EDGE DISTANCE EQUAL OR GREATER THAN 2" AND LESS THAN MIN. EDGE DISTANCE SPECIFIED ABOVE THE ANCHOR SPACE IN ANCHOR CHARTS ON THE DRAWINGS MUST MULTIPLY BY FOLLOWING REDUCTION FACTOR:

> ANCHOR TYPE A, & A1: REDUCTION FACTOR = 0.77 ANCHOR TYPE B & B1: REDUCTION FACTOR = 0.50 ANCHOR TYPE C & C1: REDUCTION FACTOR = 0.77

PLEASE NOTE THIS INSTALLATION ARE ONLY VALID FOR THE RESULTING ANCHOR SPACE EQUAL OR GREATER THAN 3".

> PRODUCT REVISED as complying with the Florida Acceptance No 12 - 0326. Expiration Date 04/23/2016

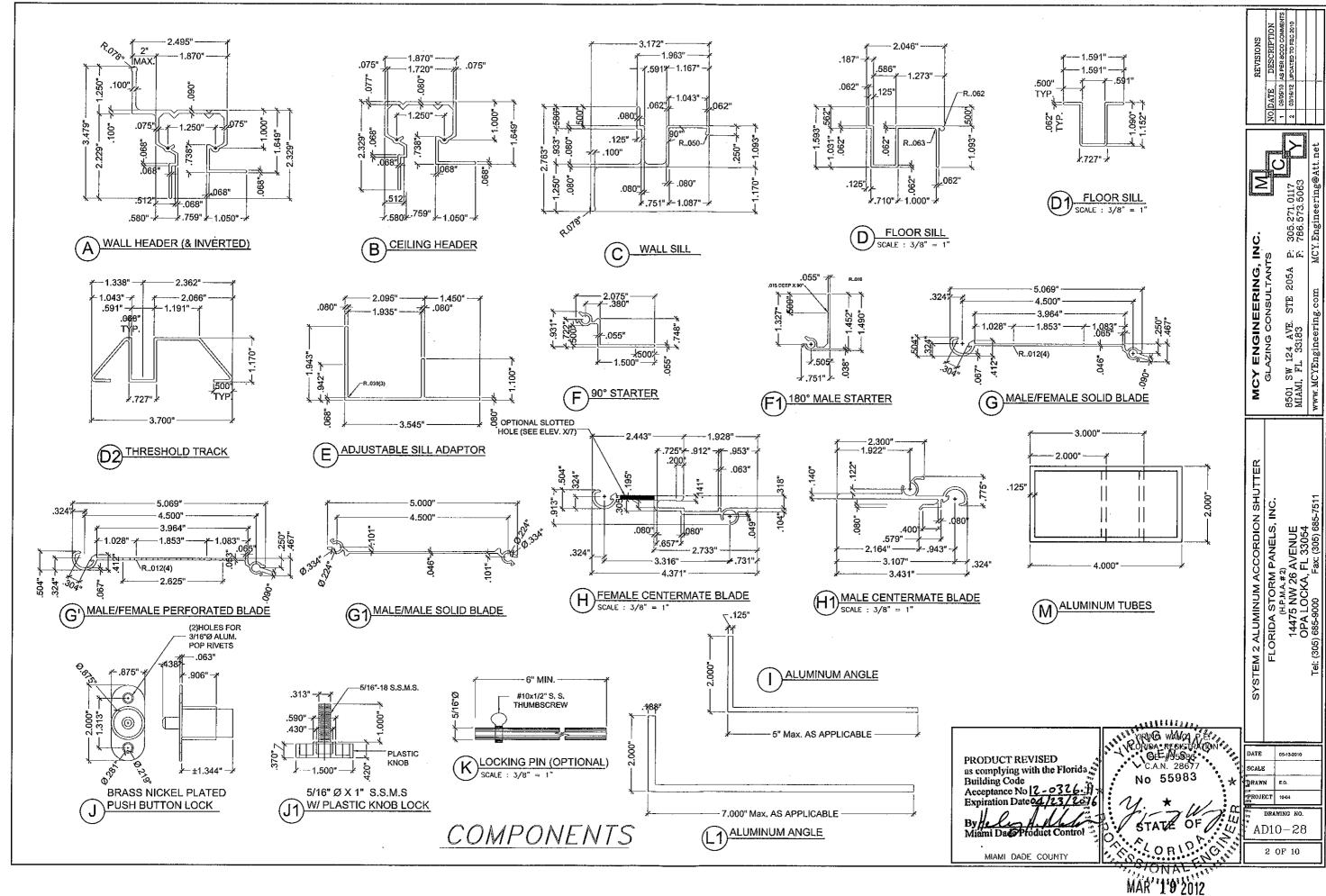
> > MIAMI DADE COUNTY

≱ਟ≺ ਰ ACCORDION SHUT , AVENUE , FL 33054 , Fax: (305) 68

SYSTEM 2 ALUMINUM

05-13-2010 DRAWN E.D. PROJECT 10-04

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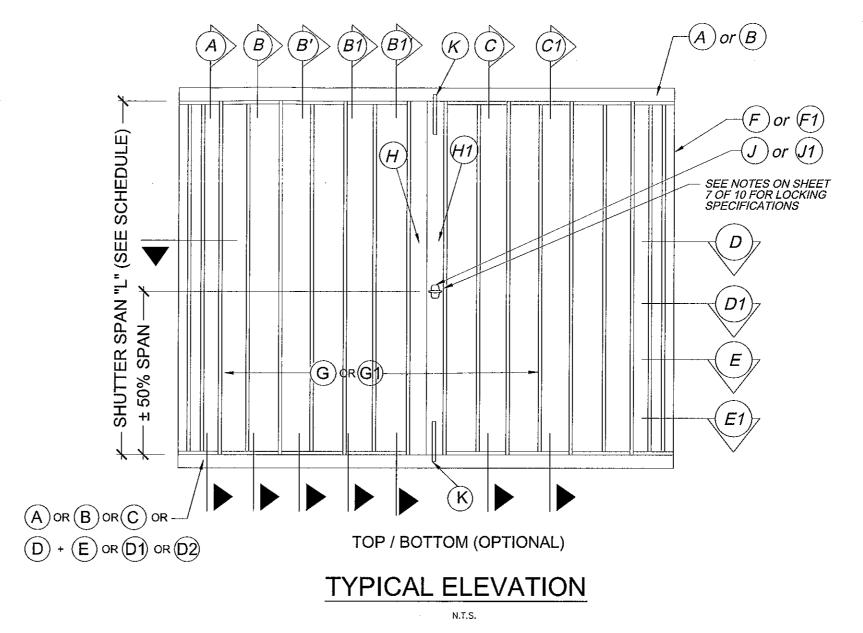


4)

MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF) AND CORRESPONDING MAXIMUM SPAN "L" SCHEDULE.

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MAXIMUM DESIGN LOAD	MAXIMUM SH FOR ALL	MINIMUM SEPARATION TO GLASS (in.)					
"Pd" (PSF)	Max, PANEL LENGTH L+ (ft.)	Max. PANEL LENGTH L- (ft.)	ALL SECTIONS				
40	13'-2"	14'-1"	3.0				
45	12'-9"	14'-1"	3.0				
50	12'-5"	14'-1"	3.0				
55	12'-2"	13'-5"	3.0				
60	11'-11"	12'-10"	3.0				
65	11'-8"	12'-4"	3.0				
70	11'-5"	11'-11"	3.0				
75	11'-3"	11'-6"	3.0				
80	11'-1"	11'-2"	3.0				
85	10'-10"	10'-10"	3.0				
90	10'-6"	10'-6"	3.0				
95	10'-3"	10'-3"	2.875				
100	10'	10'	2.875				
105	9'-9"	9'-9"	2.625				
110	9'-6"	9'-6"	2.5				
115	9'-4"	9'-4"	2.5				
120	9'-1"	9'-1"	2.5				
125	8'-10"	8'-10"	2.5				
130	8'-6"	8'-6"	2.375				
135	-	8'-2"	2,375				
140	-	7'-11"	2,375				
145	-	7'-7"	2.375				
150	_	7'-4"	2.375				
155	-	7'-2"	2.375				
160	-	6'-11"	2.375				
165	-	6'-8"	2.375				
170	-	6'-6"	2.375				
175	-	6'-4"	2.375				
180	-	6'-2"	2.375				
185	-	6'	2,375				
190	<u>.</u>	5'-10"	2.375				
195	-	5'-8"	2.375				



INSTRUCTION:

STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON VELOCITY, BUILDING HEIGHT, WIND ZONE USING APPLICABLY ASCE 7 STANDARD.

STEP 2 CHECK SHUTTER CAPACITY FOR A GIVEN SHUTTER SPAN USING CHARTS ON SHEET 3. MAX. DESIGN LOAD FROM CHART HAS TO BE GREATER THAN DESIGN WIND LOAD FROM STEP 1.

STEP 3 USING CHARTS ON SHEET 4 THRU SHEET 10 SELECT ANCHOR TYPE AND SPACING BASED ON DESIGN LOAD AND SHUTTER SPAN FOR THE ANCHOR DETAIL USED.

NIPMGWAMV PE NORIDA-REGISTAVAN NO FISHOS C.A.N. 28679 PRODUCT REVISED as complying with the Florida Building Code Acceptance No. MIAMI DADE COUNTY

DATE 05-13-2010 DRAWN E.O. DRAWING NO. AD10-28 3 OF 10

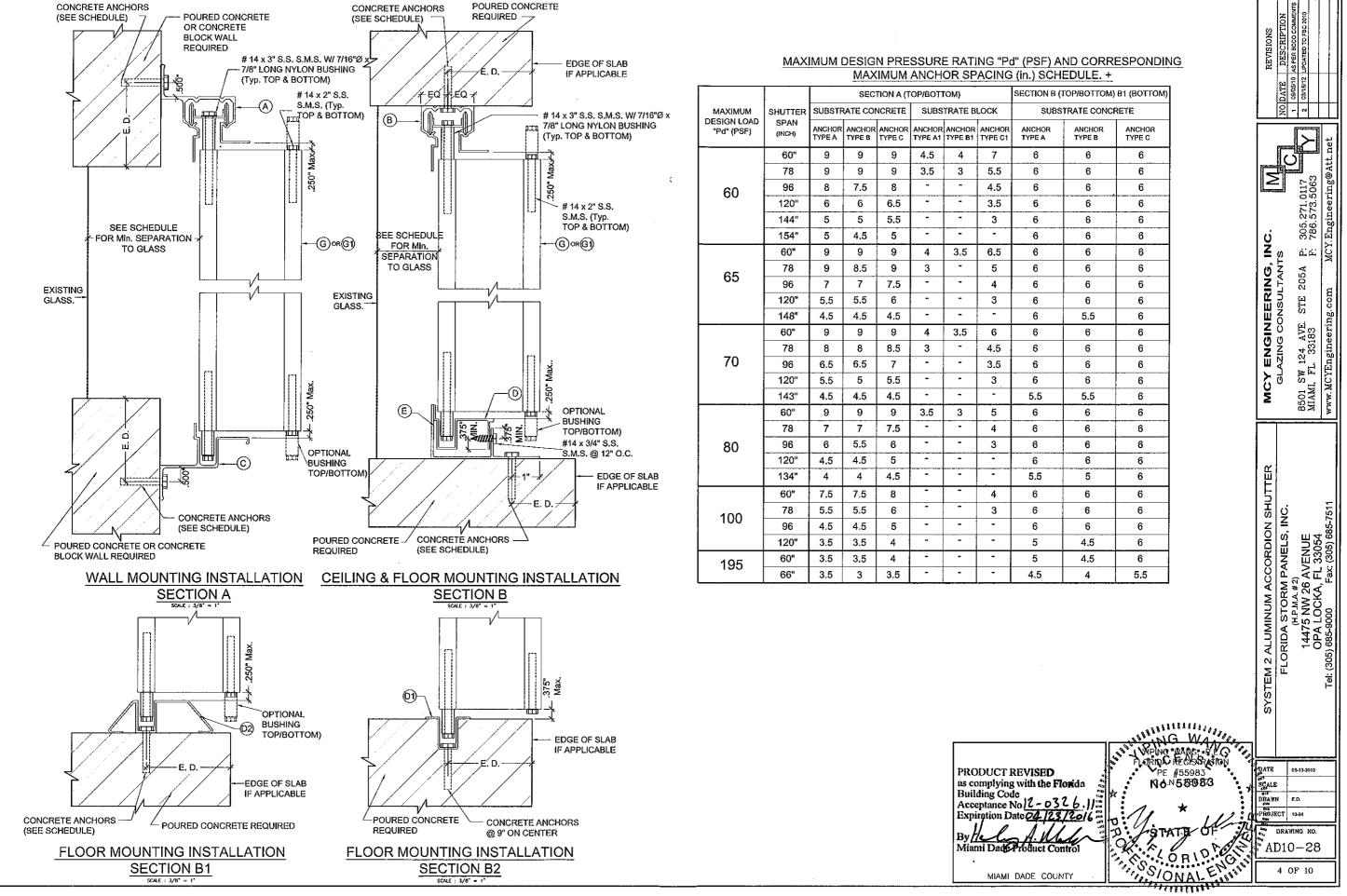
MCY ENGINEERING, INC. GLAZING CONSULTANTS

SYSTEM 2 ALUMINUM ACCORDION SHUTTER FLORIDA STORM PANELS, INC.

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8501 SW 124 AVE. STE 205A MIAMI, FL. 33183

MAR 19 2012



MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF) AND CORRESPONDING MAXIMUM ANCHOR SPACING (in.) SCHEDULE, +

		SECTION C TOP/BOTTOM					SECTION C1 BOTTOM						
DESIGN LOAD SPA	SHUTTER	SUBSTRATE CONCRETE			SUBSTRATE BLOCK			SUBSTRATE CONCRETE			SUBSTRATE BLOCK		
	SPAN (INCH)	ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE A1	ANCHOR TYPE 81	ANCHOR TYPE C1	ANCHOR TYPE A	ANCHOR TYPE 8	ANCHOR TYPE C	ANCHOR TYPE A1		
60	60"	6	6	6	6	5.5	6	6	6	6	6	6	6
	78"	6	6	6	5	4.5	6	6	6	6	5.5	4.5	6
	96"	6	6	6	4	3.5	6	6	6	6	4.5	4	6
	120"	6	6	6	3	-	5	6	6	6	3.5	3	5.5
	144"	6	6	6	-	-	4	6	6	6	-	-	4.5
	154"	6	6	6	1	•	4	6	6	6	-	-	4
65	60"	6	6	6	6	5	6	6	6	6		5.5	6
	78	6	6	6	4.5	4		6	6	6	5	4.5	6
	96	6	6	6	3.5	3	5.5	6	6	6	4	3.5	6
	120"	6	6	6	3	•	4.5	6	6	6	3	-	5
	148"	6	6	6	-	-	3.5	6	6	6	-	-	4
70	60"	6	6	6	5.5	5	8.5	6	6	6	6	5.5	6
	78	6	6	6	4	3.5	6.5	6	6	6	4.5	4	6
	96	6	6	6	3.5	3	5.5	6	6	6	3.5	3	6
	120"	6	6	6	-	-	4	6	6	6	3	-	4.5
	143"	6	6	6	-	-	3.5	6	6	6	-	-	4
80	60"	6	6	6	4.5	4	7.5	6	6	6	5	4.5	6
	78	6	6	6	3.5	3	5.5	6	6	6	4	3.5	6
	96	6	6	6	3	-	4.5	6	6	6	3	3	5
	120"	6	6	6	-	-	3.5	6	6	6		-	4
	134"	6	5.5	6	-	-	3	6	6	6	-	-	3.5
100	60"	6	6		3.5	3.5	6	6	6	6	4	3.5	6
	78	6	6		3	-	4.5	6	6	6	3	-	5
	96	6	6		-	-	3.5	6	6	6	-	-	4
	120"	5	5	5.5	-	-	3	5	5.5	6	-	-	3
195	60"	5	5	5.5	-	•	3	5	5.5	6	•	•	3
	66"	4.5	4.5	5	-	-	-	5	5	5.5	-	-	3

(E) POURED CONCRETE OPTIONAL OR CONCRETE BLOCK BUSHING WALL REQUIRED TOP/BOTTOM) #14 x 3/4" S.M.S. @ 12" O.C. 1/4" Ø-20x3/4" S.S. BOLTS W/ NUT & WASHER @ 9" O.C. CONCRETE ANCHORS (SEE SCHEDULE) OR #14 x 3/4" S.M.S. @ 9" O.C.

BUILD-OUT INSTALLATION SECTION C1

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0326.

MIAMI DADE COUNTY

Non 55983

WPING WAND PEYOF FLORIDACRECHINATION PE #55983 05-13-2010 SÇALE DEĞIYN E.D. PROJECT 10-04 ue DRAWING NO. AD10-28 5 OF 10

305.271.0117 786.573.5063

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STE 205A

8501 SW 124 AVE. MIAMI, FL. 33183

MCY ENGINEERING, INC. GLAZING CONSULTANTS

SYSTEM 2 ALUMINUM ACCORDION SHUTTER FLORIDA STORM PANELS, INC.

MAR 192012

S.M.S. (Typ. TOP & BOTTOM) -(G) OR(G1) SEE SCHEDULE FOR Min. SEPARATION — TO GLASS **EXISTING** GLASS. ~ OPTIONAL BUSHING TOP/BOTTOM) 1/4" Ø-20x3/4" S.S. BOLTS _W/ NUT & WASHER @ 9" O.C.

CONCRETE ANCHORS (SEE

OR CONCRETE BLOCK
WALL REQUIRED

∦ EQ **∤**,ÉQ -

POURED CONCRETE OR CONCRETE BLOCK WALL REQUIRED

CONCRETE ANCHORS

(SEE SCHEDULE)

1/4" Ø-20x3/4" S.S. BOLTS

@ 9" O.C.

OR #14 x 3/4" S.M.S. @ 9" O.C.

BUILD-OUT INSTALLATION

SECTION C

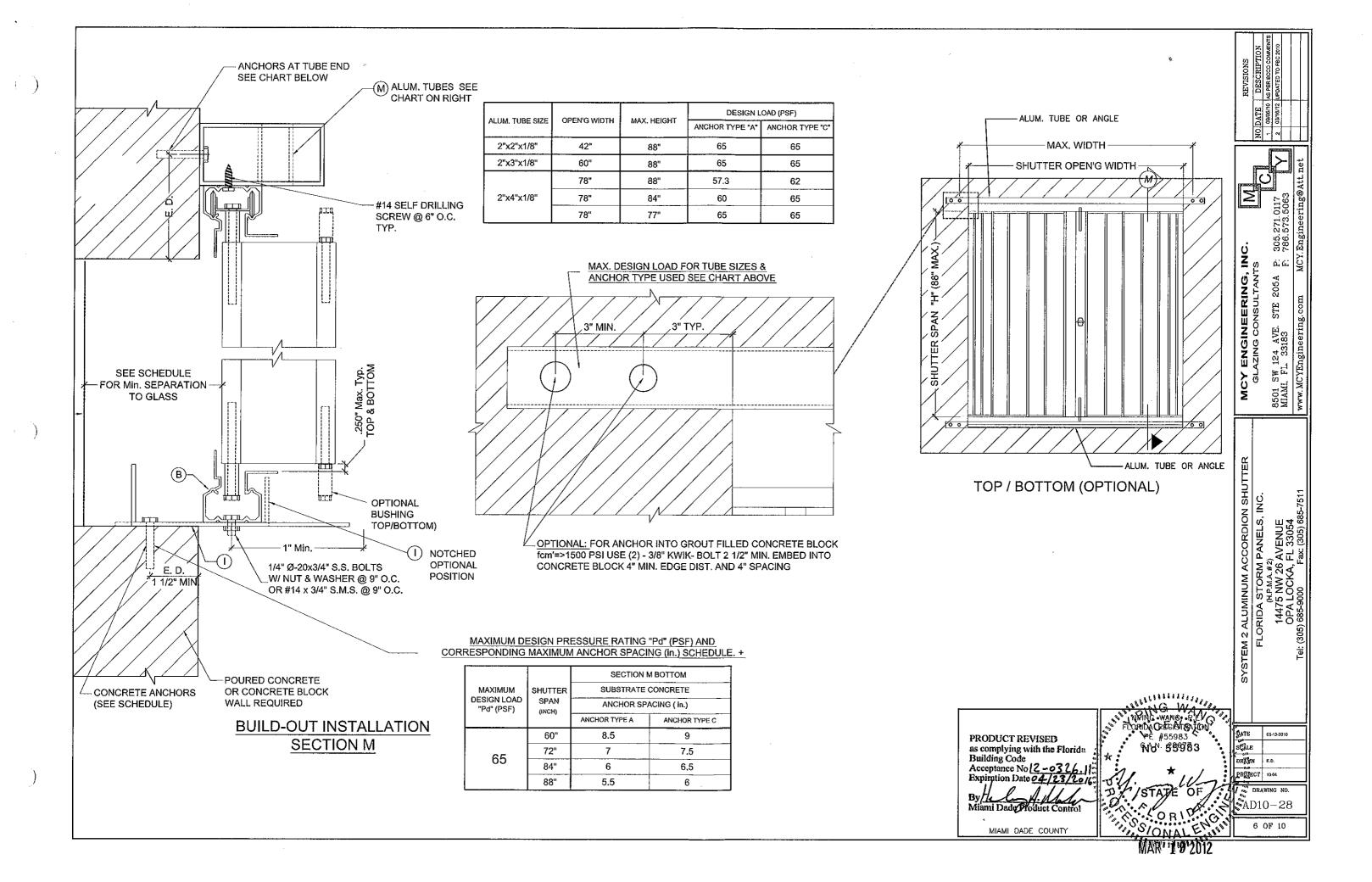
W/ NUT & WASHER @ 9" O.C. OR #14 x 3/4" S.M.S.

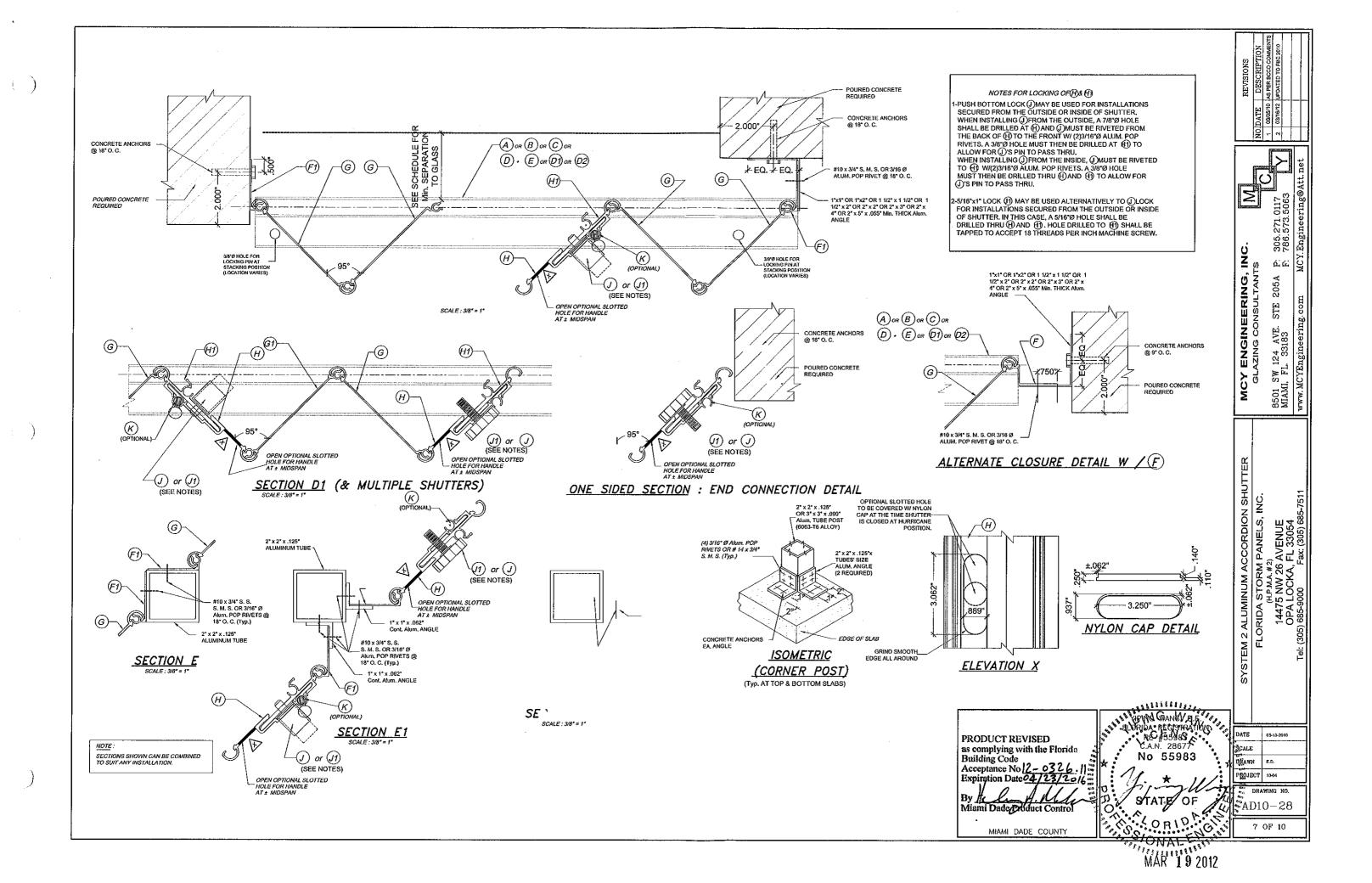
> # 14 x 3" S.S. S.M.S. W/ 7/16"Ø x 7/8" LONG NYLON BUSHING

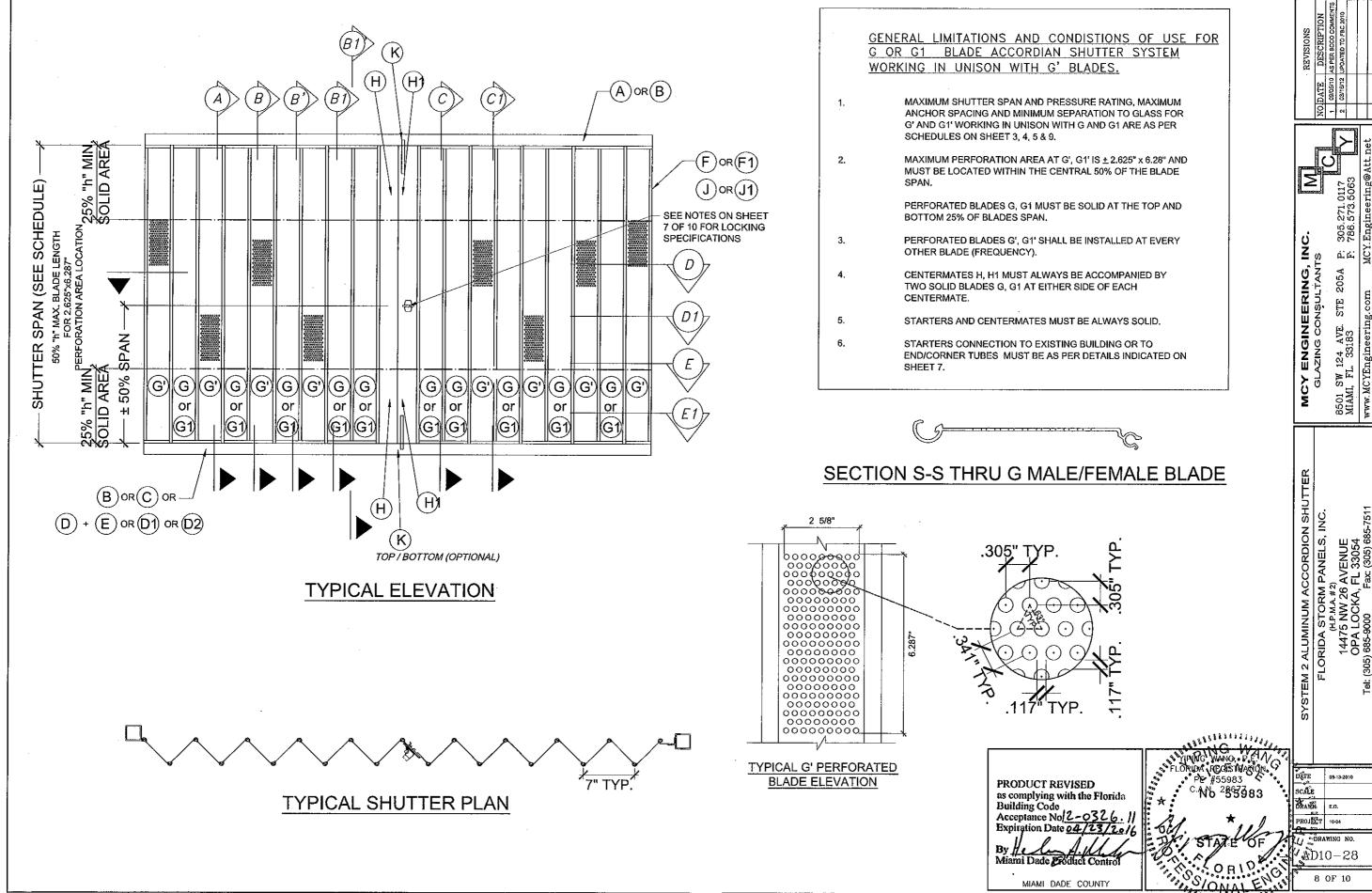
TTQ (Typ. TOP & BOTTOM)

14 x 2" S.S.

+(-)







MAR 19 2012

